

Work Order ID 52093

September 16, 2009 9:52:45 AM

Page 1

Item ID: K642-512

Accept

Revision ID: N/A

Item Name: saddle kit 642-512

Setup Start

Stop

Start Date: 09/16/2009 Start Qty: 2.00

Required Date: 10/02/2009 Req'd Qty: 2.00

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan: *RL*Date: *09-9-16*

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

DSI 9467

Rev A

IIN D206-642

Rev M

100

0.00



DC

DOCUMENT CONTROL

Memo

Document Control

Create White labels per PPP K642-512 CHG004

*2) 8021067**H for BG 09/10/6*

110

-0.00



Packaging

Pick Kit

Memo

Packaging

9/10/6 (24.8)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 52093

September 16, 2009 9:52:45 AM



Page 2

Item ID: K642-512

Accept



Setup Start



Revision ID: N/A

Stop



Item Name: saddle kit 642-512

Start Date: 09/16/2009 Start Qty: 2.00



Cust Item ID:

Required Date: 10/02/2009 Req'd Qty: 2.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

120

QC4- 100% Inspect kits for completeness

0.00

=> Ser/10/07



QC

Memo

0.00



Quality Control

130

Packaging

0.00



Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP K642-512 Location: PK

9/10/07 (2K) 50

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

09/10/07 H
PL 09-10-7

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

September 16, 2009 9:52:45 AM

Page 1

Work Order ID: 52093

Parent Item: K642-512RevN/A

Parent Item Name: saddle kit 642-512


Start Date: 09/16/2009

Required Date: 10/02/2009

Comments:

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN3C35A  BOLT		Purchased	No			110	Each	159.0000	6.0000			

Warehouse
Location

Loc Qty

Loc Code

Main Warehouse

ST

159

106541

19

110155

36

111724

50

112489

50

18918

4

AN3C36A

Purchased

No

110

Each

242.0000

18.0000

Warehouse
Location

Loc Qty

Loc Code

OFFSHORE

FG

4

101261

4

Main Warehouse

ST

238

111917

67

111925

71

112454

50

112646

50

9/10/09 @ 2:00 SP

11/9/09 SP

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

September 16, 2009 9:52:45 AM

Page 2

Work Order ID: 52093

Parent Item: K642-512RevN/A

Parent Item Name: saddle kit 642-512


Start Date: 09/16/2009

Required Date: 10/02/2009

Comments:


Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN3C41A  BOLT		Purchased	No			110	Each	189.0000	16.0000			

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
OFFSHORE		
FG	4	
103324	4	
Main Warehouse		
ST	185	
108409	14	
111925	71	
112431	100	

111925 SD

AN4C6A  Bolt		Purchased	No			110	Each	166.0000	24.0000			
---	--	-----------	----	--	--	-----	------	----------	---------	--	--	--

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
OFFSHORE		
FG	4	
103344	4	
Main Warehouse		
ST	162	
111724	162	

9/16/09 SD
111724

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

September 16, 2009 9:52:45 AM

Page 3

Work Order ID: 52093

Parent Item: K642-512RevN/A

Parent Item Name: saddle kit 642-512

Comments:

Start Date: 09/16/2009

Required Date: 10/02/2009

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN5C11A		Purchased	No			110	Each	122.0000	16.0000			

Warehouse Loc Qty Loc Code

Location

OFFSHORE

FG

4

104817

4

Main Warehouse

ST

118

111925

68

112489

50

AN5C12A

Purchased

No

110

Each

102.0000

8.0000

Warehouse Loc Qty Loc Code

Location

OFFSHORE

FG

2

18918

2

Main Warehouse

ST

100

110847

20

111925

50

112489

30

September 16, 2009 9:52:45 AM

Shop Packet Print

Page 3

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

September 16, 2009 9:52:45 AM

Page 4

Work Order ID: 52093

Parent Item: K642-512RevN/A

Parent Item Name: saddle kit 642-512

Start Date: 09/16/2009

Required Date: 10/02/2009

Comments:

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN5C13A		Purchased	No			110	Each	120.0000	8.0000			

Warehouse

Loc Qty

Loc Code

Location

OFFSHORE

FG

2

18918

2

Main Warehouse

ST

118

107615

2

107800

16

111648

50

111925

50

AN5C15A

Purchased

No

110

Each

129.0000

2.0000

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

129

105125

1

109148

28

111819

100

107615 B
107800 S
111925 3

9/10/09 (2x) S

109148 SC

September 16, 2009 9:52:45 AM

Shop Packet Print

Page 4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

September 16, 2009 9:52:45 AM

Work Order ID: 52093

Parent Item: K642-512RevN/A

Parent Item Name: saddle kit 642-512

Start Date: 09/16/2009

Required Date: 10/02/2009

Comments:

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
AN5C32A		Purchased	No			110	Each	116.0000	4.0000			

S2

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
OFFSHORE		
FG	4	
18918	4	
Main Warehouse		
ST	112	
110155	71	
111808	41	

110155 SP

AN5C34A

Purchased

No

110

Each

170.0000

4.0000

S2

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
OFFSHORE		
FG	2	
18918	2	
Main Warehouse		
ST	168	
110342	58	
111648	50	
112454	60	

110342

SP

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

September 16, 2009 9:52:45 AM

Page 6

Work Order ID: 52093



Parent Item: K642-512RevN/A



Parent Item Name: saddle kit 642-512

Start Date: 09/16/2009

Required Date: 10/02/2009

Comments:

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

AN5C35A

S₁₂



Purchased

No

110

Each

131.0000

2.0000



Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

131

107551

31

108084

50

108407

50

107551 S₁₂

AN960C10L

S₁₂



washer

Purchased

No

110

Each

6,964.000

48.0000



8/10/16 @ 20 S₁₂

Warehouse

Loc Qty

Loc Code

Location

OFFSHORE

FG

100

103585

100

Main Warehouse

ST

6864

112116

1864

112612

5000

112116 S₁₂

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 7

September 16, 2009 9:52:45 AM

Work Order ID: 52093

Parent Item: K642-512RevN/A

Parent Item Name: saddle kit 642-512

Comments:

Start Date: 09/16/2009

Required Date: 10/02/2009

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

AN960C416L		Purchased	No			110	Each	1,112.000	48.0000			
------------	--	-----------	----	--	--	-----	------	-----------	---------	--	--	--

WASHER

Warehouse Loc Qty Loc Code

Location

OFFSHORE

FG

44

104925

44

Main Warehouse

ST

1068

111808

63

111916

5

112612

1000

AN960C516L		Purchased	No			110	Each	345.0000	16.0000			
------------	--	-----------	----	--	--	-----	------	----------	---------	--	--	--

WASHER

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

345

109545

12

111650

33

111916

300

September 16, 2009 9:52:45 AM

Shop Packet Print

Page 7

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 8

September 16, 2009 9:52:45 AM

Work Order ID: 52093



Parent Item: K642-512RevN/A



Parent Item Name: saddle kit 642-512

Start Date: 09/16/2009

Required Date: 10/02/2009

Comments:

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

D206-648-013RevB

Manufactured

No

110

Each

4.0000

2.0000



GHW Modification

Handwritten: 82, 78

Handwritten: @CHC7002

Warehouse
Location

Loc Qty

Loc Code

Main Warehouse

FG

4

48226

1

50305

3

48226

Handwritten: 2x

Handwritten: SP

D2652RevA

Manufactured

No

110

Each

330.0000

32.0000



Bushing

Handwritten: 82, x

Warehouse
Location

Loc Qty

Loc Code

OFFSHORE

FG

44

31985

44

Main Warehouse

ST

203

21091

0

45318

16

46608

12

48187

175

48187

Handwritten: 23

Handwritten: 9/10/16 2x

Handwritten: SP

Main Warehouse

ST40

83

50271

83

50271

Handwritten: 9

September 16, 2009 9:52:45 AM

Shop Packet Print

Page 8

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 9

September 16, 2009 9:52:45 AM

Work Order ID: 52093



Parent Item: K642-512RevN/A



Parent Item Name: saddle kit 642-512

Start Date: 09/16/2009

Required Date: 10/02/2009

Comments:

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
S ₂ D2712RevB Set Screw		Manufactured	No			110	Each	451.0000	20.0000			

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
OFFSHORE		
FG	50	
29962	50	
Main Warehouse		
ST	401	
16400	20	
43810	11	
45247	25	
47603	145	
48235	200	

4760354

D2932-2RevC

Manufactured No

110

Each

17.0000

2.0000



Saddle RH Out, 206

<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
Main Warehouse		
ST	17	
40280	1	
47568	4	
48189	6	
50368	6	

47568 9/10/09 2x 50

September 16, 2009 9:52:45 AM

Shop Packet Print

Page 9

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

September 16, 2009 9:52:45 AM

Work Order ID: 52093

Parent Item: K642-512RevN/A

Parent Item Name: saddle kit 642-512

Start Date: 09/16/2009

Required Date: 10/02/2009

Comments:

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

D2933-2RevC

Manufactured

No

110

Each

11.0000

2.0000



Saddle RH In, 206

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

11

43501

1

45321

1

47968

3

50377

6

47968 SP

D2934RevB

Manufactured

No

110

Each

106.0000

4.0000



Saddle Spacer

Warehouse

Loc Qty

Loc Code

Location

OFFSHORE

FG

6

31929

6

Main Warehouse

ST

40

47947

40

Main Warehouse

ST55

60

50376

60

47947

9/10/6 @ SP

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 11

September 16, 2009 9:52:45 AM

Work Order ID: 52093



Parent Item: K642-512RevN/A



Parent Item Name: saddle kit 642-512

Start Date: 09/16/2009

Required Date: 10/02/2009

Comments:

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D2935RevB		Manufactured	No			110	Each	121.0000	4.0000			



S
Saddle Spacer



Warehouse Loc Qty Loc Code

Location

OFFSHORE

FG

6

31793

6

Main Warehouse

ST

115

47948

43

50211

72

47948

SF

D2938-2RevC

Manufactured No

110

Each

14.0000

2.0000



S
Saddle RH Out, 206

9/16/09 (20)

Warehouse Loc Qty Loc Code

Location

Main Warehouse

ST

14

41131

1

43502

1

48192

6

50245

6

48192

SF

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

September 16, 2009 9:52:45 AM

Work Order ID: 52093

Parent Item: K642-512RevN/A

Parent Item Name: saddle kit 642-512



Comments:

Start Date: 09/16/2009

Required Date: 10/02/2009

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D2939-2RevC		Manufactured	No			110	Each	7.0000	2.0000			
<div>  </div>												
<div>  Saddle RH In, 206 </div>												

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST

7

48194

7

110

Each

71.0000

4.0000

48194 *sf*

D3396-3RevB

Manufactured

No

S
AL Spacer

Warehouse Loc Qty Loc Code
Location

OFFSHORE

FG

10

26772

10

Main Warehouse

ST

61

45667

9

48196

52

45667 ③ 9/10/06 ②x
48196 ① *sf*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

September 16, 2009 9:52:45 AM

Work Order ID: 52093



Parent Item: K642-512RevN/A



Parent Item Name: saddle kit 642-512

Start Date: 09/16/2009

Required Date: 10/02/2009

Comments:

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3407-043RevE		Manufactured	No			110	Each	68.0000	2.0000			



Tow Ring

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST	48	
45743	4	
47857	4	
48249	20	
50176	20	

8 47857
48249

sl

Main Warehouse

ST464	20	
50387	20	

D3456-1RevA

Manufactured No

110

Each

232.0000

2.0000



Washer

Warehouse Loc Qty Loc Code
Location

OFFSHORE

FG	7	
25701	7	

Main Warehouse

ST	225	
46752	25	
51653	200	

51653

9/16/09 20
sl

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

September 16, 2009 9:52:45 AM

Work Order ID: 52093



Parent Item: K642-512RevN/A



Parent Item Name: saddle kit 642-512

Start Date: 09/16/2009

Required Date: 10/02/2009

Comments:

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
S ₁ D3457-1RevA Washer		Manufactured	No			110	Each	103.0000	4.0000			

Warehouse
Location

Loc Qty

Loc Code

OFFSHORE

FG

10

32409

10

Main Warehouse

ST

93

45913

93

45913

SL

S₂ D3672-1RevB

Manufactured No

110

Each

1,186.000

48.0000



Phenolic Washer

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

686

39275

19

42329

121

47628

546

Main Warehouse

ST117

500

51674

500

42329

9/16/09 (20) SP

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

September 16, 2009 9:52:45 AM

Work Order ID: 52093



Parent Item: K642-512RevN/A



Parent Item Name: saddle kit 642-512

Start Date: 09/16/2009

Required Date: 10/02/2009

Comments:

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D3672-3RevB		Manufactured	No			110	Each	919.0000	48.0000			

5
H



Phenolic Washer

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST 419

34471 56

48258 363

Main Warehouse

ST117 500

51596 500

48258 *sl*

D3672-7RevB

Manufactured No

110

Each

790.0000

48.0000

5
H



Phenolic Washer

Warehouse Loc Qty Loc Code
Location

Main Warehouse

ST 790

35522 290

51696 500

51696 *9/10/09 (2K) sl*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

September 16, 2009 9:52:45 AM

Work Order ID: 52093

Parent Item: K642-512RevN/A

Parent Item Name: saddle kit 642-512

Start Date: 09/16/2009

Required Date: 10/02/2009

Comments:

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

MS21043-3 Purchased No 110 Each 5,324.000 40.0000



<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
OFFSHORE		
FG	80	
103691	80	
Main Warehouse		
ST	5244	
111819	78	
112243	190	
112314	4976	

112243 (34) x 50
112314 (6x)

MS21043-4 Purchased No 110 Each 1,397.000 26.0000



<u>Warehouse</u>	<u>Loc Qty</u>	<u>Loc Code</u>
<u>Location</u>		
OFFSHORE		
FG	40	
104603	40	
Main Warehouse		
ST	1357	
111819	35	
112243	22	
112314	1000	
112492	300	

112314 9/10/09 (20) 50

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

September 16, 2009 9:52:45 AM

Work Order ID: 52093



Parent Item: K642-512RevN/A



Parent Item Name: saddle kit 642-512

Start Date: 09/16/2009

Required Date: 10/02/2009

Comments:

Start Qty: 2.00

Required Qty: 2.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
MS21043-5		Purchased	No			110	Each	744.0000	8.0000			



Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

744

110180

7

111119

37

111819

200

112314

500

111119

9/10/09 20 sf

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART SERVICE INSTRUCTION

**TO AMEND INSTALLATION INSTRUCTIONS D206-642 REV. M AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D206-642 REV. 2**

REF. CANADIAN STC: SH98-4

REF. FAA STC: SA00475SE

REF. EASA STC: EASA.IM.R.S.01320

SHOT COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 52093

PURPOSE:

FOR THE D206-642-511/-512/513/-514/-611/-612/-613/-614 SKIDTUBE INSTALLATIONS, ACHIEVING THE REQUIRED 1.5-2 THREADS IN SAFETY MAY BE IMPOSSIBLE WHEN FASTENING AN3C41A BOLTS THROUGH THE SADDLES.

CHANGE:

FOR THE D206-642-511/-512/513/-514/-611/-612/-613/-614 SKIDTUBE INSTALLATIONS, THE QTY(16) D3672-5 WASHERS ARE REPLACED WITH THINNER D3672-7 WASHERS. THE PARTS LISTS ARE UPDATED AS INDICATED BELOW:

4.7 206L/L-1/L-3/L-4/407 HIGH GEAR FLOAT SKIDTUBES, TRI-BAG COMPATIBLE (D206-642)

32.17 206L/L-1/L-3/L-4/407 HIGH GEAR FLOAT SKIDTUBES, TRI-BAG COMPATIBLE (ICA-D206-642)

ITEM	QTY -511	QTY -512	QTY -541	QTY -547	QTY -013	PART NUMBER	DESCRIPTION
	X					D206-642-511	SKIDTUBE INSTALLATION, LH
		X				D206-642-512	SKIDTUBE INSTALLATION, RH

IS:

12B	16	16				D3672-7	WASHER
-----	----	----	--	--	--	---------	--------

WAS:

12B	16	16				D3672-5	WASHER
-----	----	----	--	--	--	---------	--------

4.8 206L/L-1/L-3/L-4/407 HIGH GEAR FLOAT SKIDTUBES, OEM/PMA BAG COMPATIBLE (D206-642)

32.18 206L/L-1/L-3/L-4/407 HIGH GEAR FLOAT SKIDTUBES, OEM/PMA BAG COMPATIBLE (ICA-D206-642)

ITEM	QTY -513	QTY -514	QTY -545	QTY -547	QTY -013	PART NUMBER	DESCRIPTION
	X					D206-642-511	SKIDTUBE INSTALLATION, LH
		X				D206-642-512	SKIDTUBE INSTALLATION, RH

IS:

12B	16	16				D3672-7	WASHER
-----	----	----	--	--	--	---------	--------

WAS:

12B	16	16				D3672-5	WASHER
-----	----	----	--	--	--	---------	--------

A	NEW ISSUE	CP	09.06.17
REV.	DESCRIPTION	BY	DATE
DESIGN	CP	DART AEROSPACE USA, INC PORT HADLOCK, WA	
DRAWN	CP		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9467	SHEET 1 OF 2
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	WASHER CHANGE	NTS
DATE	09.06.17	COPYRIGHT © 2009 BY DART AEROSPACE USA, INC <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	

4.9 206A/B HIGH GEAR FLOAT SKIDTUBES, TRI-BAG COMPATIBLE (D206-642)
 32.19 206A/B HIGH GEAR FLOAT SKIDTUBES, TRI-BAG COMPATIBLE (ICA-D206-642)

ITEM	QTY -611	QTY -612	QTY -613	QTY -614	QTY -641	QTY -654	PART NUMBER	DESCRIPTION
	X						D206-642-611	SKIDTUBE INSTALLATION, LH
		X					D206-642-612	SKIDTUBE INSTALLATION, RH
			X				D206-642-613	SKIDTUBE INSTALLATION, LH, THRU BOLT
				X			D206-642-614	SKIDTUBE INSTALLATION, RH, THRU BOLT

IS:

12B	16	16	16	16			D3672-7	WASHER
-----	----	----	----	----	--	--	---------	--------

WAS:

12B	16	16	16	16			D3672-5	WASHER
-----	----	----	----	----	--	--	---------	--------

DESIGN	CP	DART AEROSPACE USA, INC PORT HADLOCK, WA
DRAWN	CP	
CHECKED		DRAWING NO. REV. A
MFG. APPR.	N/A	DSI 9467 SHEET 2 OF 2
APPROVED		TITLE SCALE
DE APPR.		WASHER CHANGE NTS
DATE	09.06.17	COPYRIGHT © 2009 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.